

P63590US00 corrected.txt  
SEQUENCE LISTING

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Nauta, Arjen

<120> Methods and means for regulating gene expression

<130> P63590US00

<140> US 10/562,601  
<141> 2005-12-28

<150> PCT/NL2004/000474  
<151> 2004-07-02

<150> EP 03077074.7  
<151> 2003-07-02

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<170> PatentIn Ver. 3.3

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 aaaagcagtt tttagtatga ttactgcttt tattatttcc tccaaaaactt ttgctttacc 120  
 tttatttcgc gtaatgttca gaaaattcat gaacatacct aaaatagtaa atttttgcaa 180  
 atatgcagaa aaagtagtat accttttatta agtctattta gaaagatttt attgaggtaa 240  
 atatggaaag tgaaaatatt ttggaagcaa aacaagtgag tgttgctt 288

<210> 215  
 <211> 15  
 <212> PRT  
 <213> Lactobacillus lactis

<400> 215  
 Met Glu Ser Glu Asn Ile Leu Glu Ala Lys Gln Val Ser Val Ala  
 1 5 10 15

<210> 216  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> WT  
 <400> 216  
 aatgttcaga aaattcatga acatac 26  
  
 <210> 217  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Opp15 (a)  
 <400> 217  
 aatattaaga aaattcatga acatac 26  
  
 <210> 218  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Opp15 (b)  
 <400> 218  
 actgtgccga aaattcatga acatac 26  
  
 <210> 219  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Opp 2  
 <400> 219  
 aactgcagga aaattcatga acatac 26  
  
 <210> 220  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> WT oppD upstream region  
 <400> 220  
 cgtaatgttc agaaaattca tgaacatacc 30  
  
 <210> 221  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> MUT2, mutant in oppD upstream region

<400> 221  
 cgtaatgttc tgaaaattca tgaacatacc 30

<210> 222  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> MUTF, mutant in oppD upstream region

<400> 222  
 cgtaatgttc agaaaattca tggacatacc 30

<210> 223  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> MUT4, mutant in oppD upstream region

<400> 223  
 cgtaatgttc agaaaattca tgagcatacc 30

<210> 224  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> MUT3, mutant in oppD upstream region

<400> 224  
 cgtagtgttc agaaaattca tgaacatacc 30

<210> 225  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> MUT10, mutant in oppD upstream region

<400> 225  
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<210> 226  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> MUT16, mutant in oppD upstream region

<400> 226  
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<210> 227
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> motif as observed in L. lactis

<220>
<221> misc_feature
<222> (1)..(26)
<223> /note="Sequence wherein n can be any nucleotide"

<400> 227
anaattttct ganaaatnna tnanta
26

<210> 228
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus motif as observed in L. lactis

<220>
<221> misc_feature
<222> (1)..(26)
<223> /note="Sequence wherein n can be any nucleotide"

<400> 228
whaattdtcw gahaaawnr wnadww
26

<210> 229
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus motif as observed in B. subtilis

<400> 229
awtttdtcaga awwwt
15

<210> 230
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> motif as observed in B. subtilis

<220>
<221> misc_feature
<222> (1)..(14)
<223> /note="Sequence wherein n can be any nucleotide"

<400> 230
attntcagaa aatt
14

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# P63590US00 corrected.txt

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<210> 231
<211> 225
<212> DNA
<213> Lactococcus lactis Wg2

<220>
<221> promoter
<222> (1)..(225)
<223> /note="prTP/prTM promoter region"

<400> 231
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atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaatttgc tcttcaatag 120
tatataatat aatagtatat aatattatat aatataatct taactacatc aagcgtaggg 180
tttgatttgg ttatgaaact ttgggaaagt ggaggatatt ggatg 225

<210> 232
<211> 230
<212> DNA
<213> Lactococcus lactis SK11

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prTP/prTM promoter region"

<400> 232
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atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaatttgc tcttcaatag 120
tatataatat aatagtatat aatattatat tatataatat aatcttaact acatcaagcg 180
taggctttga ttgggttatg aaacttttgg aaagtggagg atattggatg 230

<210> 233
<211> 230
<212> DNA
<213> Lactococcus lactis E8

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prTP/prTM promoter region"

<400> 233
tgctaaaaat ttcaaaacat ctatagtctg taaacggcta aataataacg ctaaaaagta 60
atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaatttgc tcttcaatag 120
tatataatat aatattatat aatattatat tatataatat aatcttaact acatcaagcg 180
tagggtttga ttgggttatg aaacttttgg aaagtggagg atattggatg 230

<210> 234
<211> 230
<212> DNA
<213> Lactococcus lactis BGMN1-5

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prTP/prTM promoter region"

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P63590US00 corrected.txt

<400> 234

tgctaaaaat	ttcaaaacat	ctatagtctg	taaacggcta	aataataacg	ctaaaagtta	60
atttacagat	aaaaaaatta	atagaagatt	aaaatttttag	ttgaatttgt	tctttaatag	120
tatataatat	aatagtatat	actattatat	tatatactat	tatattaact	acatcaagcg	180
tacattttga	tttggttatg	aaacttttgg	aaagtggagg	gtattggatg		230